AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of claims in the application.

1.   (Cancelled).

2.   (Cancelled).

3.   (Cancelled).

4.   (Cancelled).

5.   (Cancelled).

6.   (Cancelled).

7.   (Cancelled).

8.   (Cancelled).

9.   (Cancelled).

10.   (Cancelled).

11.   (Cancelled).

12.   (Cancelled).

13.   (Cancelled).

14.   (Cancelled).

15.   (Cancelled).

16.   (Cancelled).

17.   (Cancelled).

18.   (Cancelled).

19.   (Cancelled).

20.   (Cancelled).

21.   (Cancelled).

22.   (Cancelled).

23.   (Cancelled).

24.   (Cancelled).

25.   (Cancelled).

26.   (Cancelled).

27.   (Cancelled).

28.   (Cancelled).

29.   (Cancelled).

30.   (Cancelled).

31.   (Cancelled).

32.   (Cancelled).

33.   (Cancelled).

34.   (Cancelled).

35.   (Cancelled).

36.   (Cancelled).

37.   (Cancelled).

38.   (Cancelled).

39.   (Cancelled).

40.   (Cancelled).

41.   (Cancelled).

42.   (Cancelled).

43.   (Cancelled).

44.   (Cancelled).

45.   (Cancelled).

46.   (Cancelled).

47.   (Cancelled).

48.   (Cancelled).

49.   (Cancelled).

50.   (Cancelled).

51.   (Cancelled).

52.   (Previously Presented)   In an ad-hoc, peer-to-peer radio system comprising a series of

radio terminals, each said radio terminal comprising transceiver means for transmitting and

receiving signals from other like terminals of said series of terminals, computer means, and

memory means for storing program software means therein, said radio system based on teim-

dependent messaging having multiple parallel data channels and a control channel, the method

comprising:

(a)   establishing a permanent link between a source terminal and a destination

terminal or gateway;

(b)   transmitting data from said source terminal to the destination;

(c)   establishing a temporary link between said source terminal and said destination

when the data being transmitted by said source terminal surpasses a predetermined limit for said

permanent link.

53.   (Previously Presented)   The method according to claim 52, wherein said time-dependent

messaging is made up of a series of time frames with each time frame having a plurality of time

slots, said step (c) comprising utilizing at least three said time frames.

54.   (Previously Presented)   The method according to claim 52, wherein said permanent link

comprises a plurality of said radio terminals, said method further comprising:

(d)   controlling the power of transmission of each said radio terminal of said

permanent link;

(e)   said step (d) comprising achieving a relatively stable state wherein each terminal

of said plurality of terminals of said permanent link stabilizes at a power level reflective of the

relative path loss between it and other terminals of said permanent link.

55.   (Currently Amended)   A method of reducing the ~~power loss between terminals~~ <u>energy</u>

<u>consumption</u> in an ad-hoc, peer-to-peer radio system comprising a series of radio terminals, each

said radio terminal comprising transceiver means for transmitting and receiving signals from

other like terminals of said series of terminals, computer means, and memory means for storing

program software means therein, said radio system based on time-dependent messaging having

multiple parallel data channels and a control channel, the method comprising:

(a)   controlling the power of transmission of each said radio terminal of a service

group of said terminals; and

(b)   said step (a) comprising creating a relatively stable power-level state wherein each

terminal of said plurality of terminals stabilizes at a power level reflective of the relative path

loss between it and other terminals of said permanent link.

56.   (Currently Amended) The method according to claim ~~56~~ 55, wherein said step (b)

comprises:

(c)   applying a power-perturbation to said service group of terminals to cause at least

some of said terminals to adjust the power level to a lower value.

57.   (Currently Amended) The method according to claim ~~56~~ 55, wherein said time-

dependent messaging is made up of a series of time frames with each time frame having a

plurality of time slots, said step (c) comprising applying said perturbation in the same time frame

on all said terminals of said service group.

58.   (Currently Amended) The method according to claim ~~56~~ 55, wherein said time-

dependent messaging is made up of a series of time frames with each time frame having a

plurality of time slots, said step (b) comprising utilizing at least three said time frames.